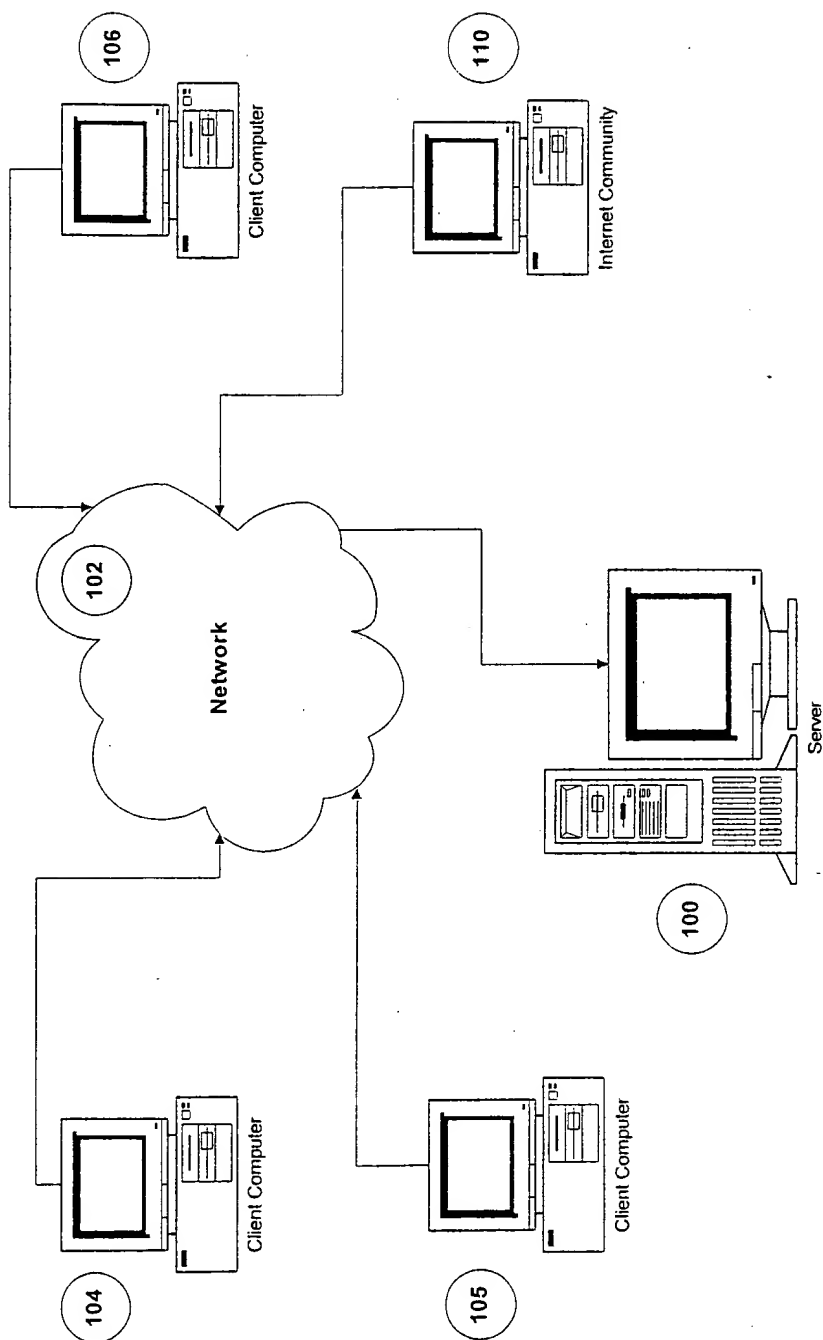


Figure 1



09814250-070301

# Lab Information Management System

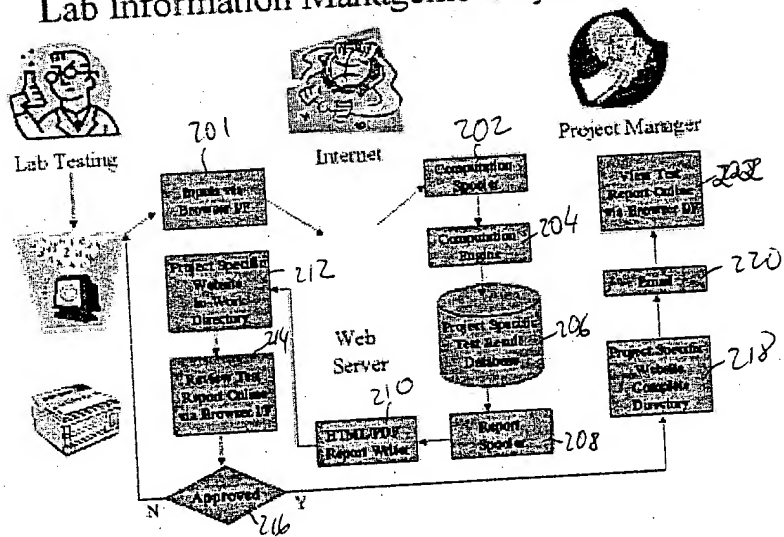


FIG. 2

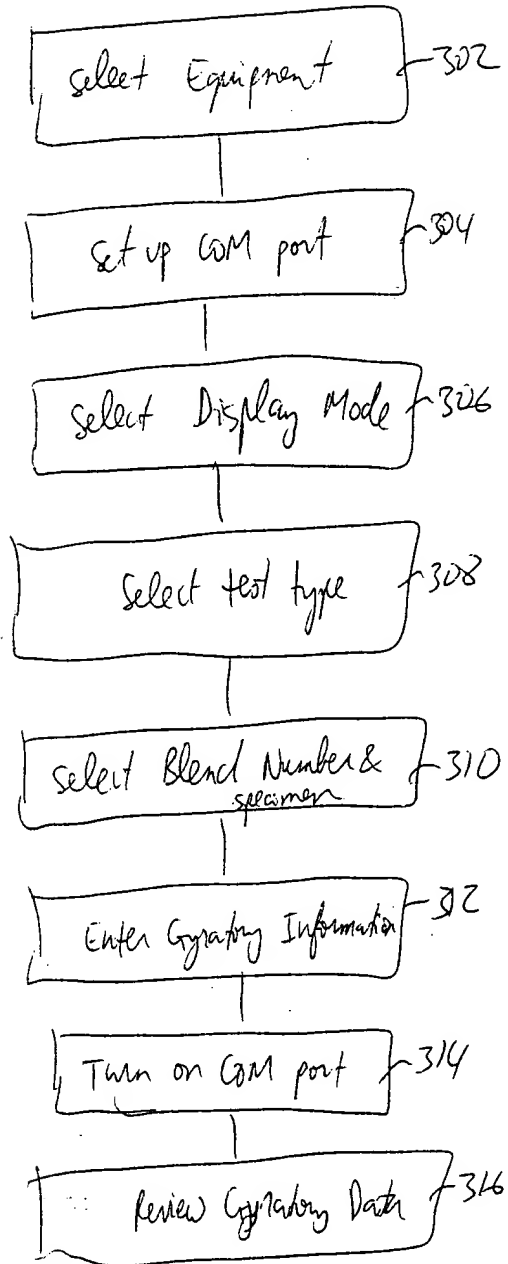


FIG. 3A

RealTime (Gyratory)

File Edit Gyratory Communication View Help

Err Gyratory

✓ Toler Gyratory

Superpave Gyratory Compactor

BLEND 1

AG 1

Wt.9

Gmb

Gmm

Ngw

Sp1

Sp2

1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

BLEND 2

AG 2

Wt.9

Gmb

Gmm

Ngw

Sp1

Sp2

1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

BLEND 3

AG 3

Wt.9

Gmb

Gmm

Ngw

Sp1

Sp2

1										
2										
3										
4										
5										
6										
7										
8										
9										
10										
11										

Select Blend

BLEND 1 Spec(1)

Click on the Gyratory and select the type used.

Trial Blend

SetCom2

CommPort

Mode

RealTime

Trial Blend

Design Binder Content

Info

Close

FIG. 3B

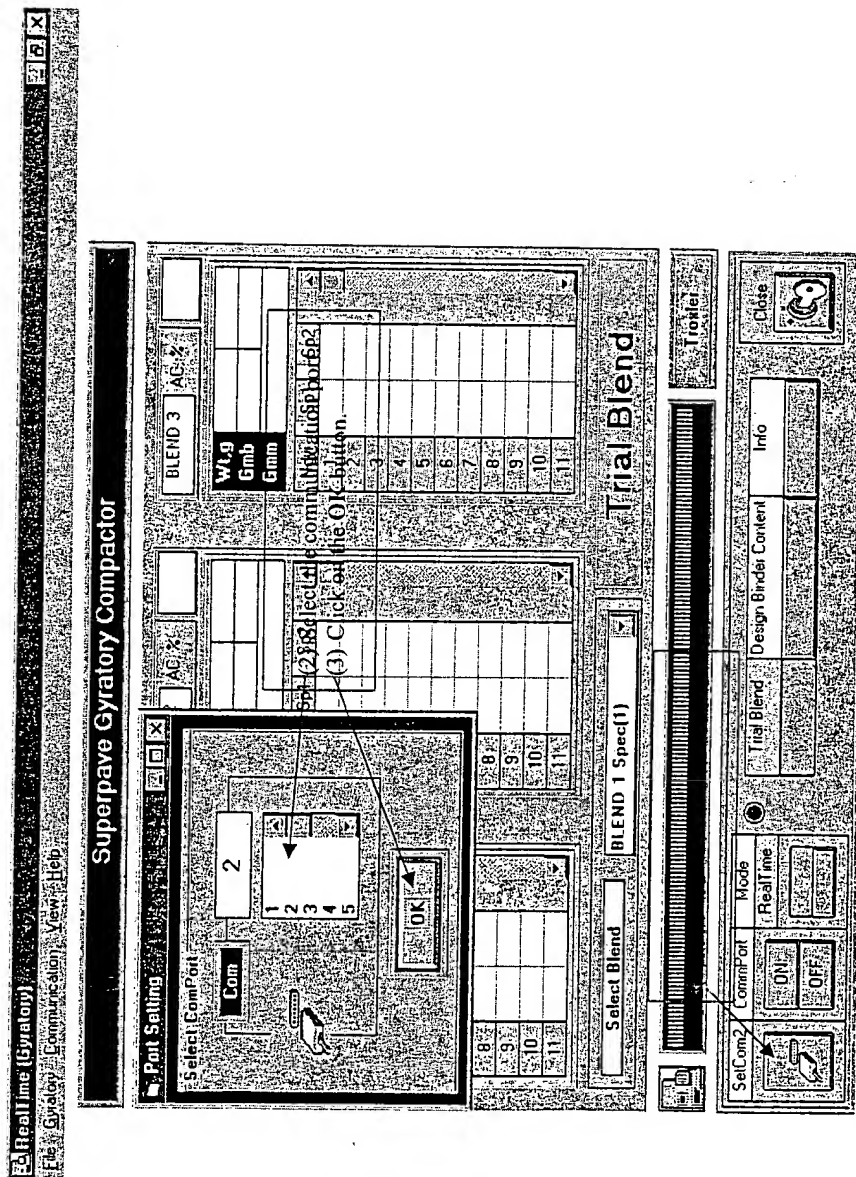


FIG. 3C

RealTime (Gyration)     File Edit View Help  
File (Gyration) Communication View Help

The screenshot displays the Trower software interface, which is used for managing blend modes. The interface is divided into several sections:

- Blend Mode Windows:** There are three windows labeled BLEND 1, BLEND 2, and BLEND 3. Each window contains a grid of 11 rows and 2 columns. The first column is labeled 'Wt. g' and the second column is labeled 'Gmb'. The third column is labeled 'Gmm'. The first row of each grid is labeled 'Neg' and the last row is labeled '11'.
- Main Control Panel:**
  - Select Blend:** A dropdown menu currently showing 'Blend 1 Spec 1'.
  - Blend 1 Spec 1:** A dropdown menu currently showing 'Blend 1 Spec 1'.
  - Blend 2:** A dropdown menu currently showing 'Blend 2'.
  - Blend 3:** A dropdown menu currently showing 'Blend 3'.
  - Mode:** A dropdown menu currently showing 'Real Time'.
  - ConnPort:** A dropdown menu currently showing '10N'.
  - SetConn2:** A button with a circular arrow icon.
  - Info:** A button with a circular arrow icon.
  - Close:** A button with a circular arrow icon.
- Trower:** A button at the top right of the interface.

The interface is designed to allow users to select and manage different blend modes and specifications for their data.

- (1) Select the display mode: Real Time or Import.
- (2) Select the test type: Trial Blend or Design Binder Content.
- (3) Select the blend number and specimen number (Sp1 or 2).

FIG. 3D

REALTIME (Gyration) (F:\SHARED\ATSER\GYR\TEST5.PIN)  
File Gyration Communication View Help

Superpave Gyration Compactor

BLEND 1 AC 2 4.5

WLG 4800  
Gmb 2.315  
Gmm 2.561

Ngr	Sp1	Sp2
1	137.7	
2	135.7	
3	134	
4	132.5	
5	131.2	
6	130.1	
7	129.1	
8	127.4	
9	127.4	
10	126.7	
11	126.1	

BLEND 2 AC 2

WLG  
Gmb  
Gmm

Ngr	Sp1	Sp2
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

BLEND 3 AC 2

WLG  
Gmb  
Gmm

Ngr	Sp1	Sp2
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		

Select Blend

BLEND 1 Spec(1)

Trial Blend

SetCom2 CommPort Mode  
ON Real Time  
OFF

Trial Blend Design Binder Content Info

Close

When it is ready to run a test:  
(1) Click on the Info button to enter the information: (or after a test)  
(2) Click on the CommPort switch: ON to turn it on.  
(3) Review and check data.

4/3/98 Revision: 1

FIG. 3E

5

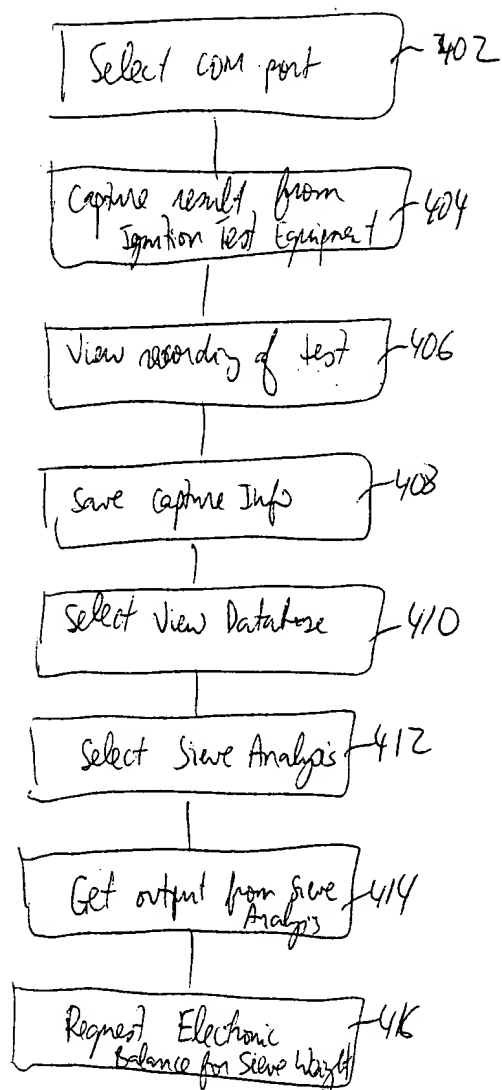


FIG. 4A



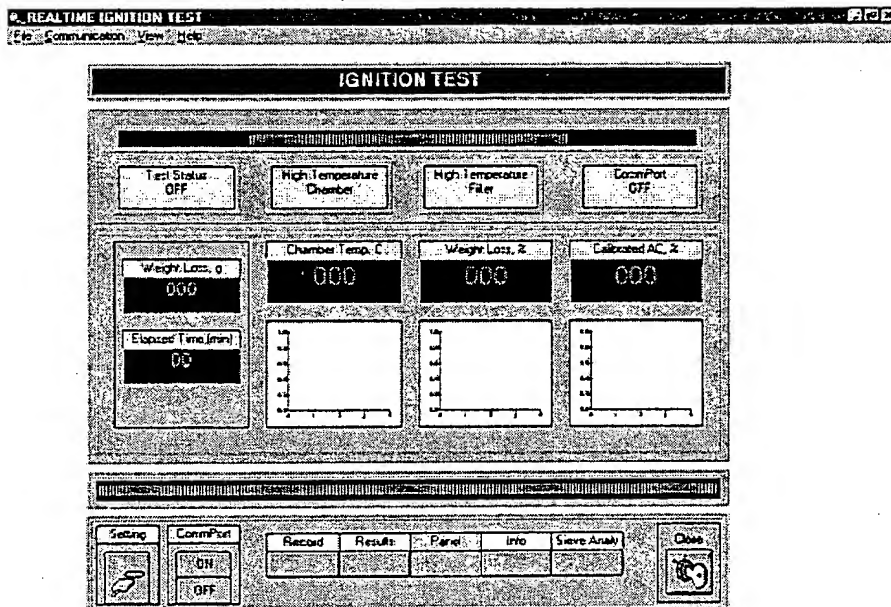


FIG. 4B

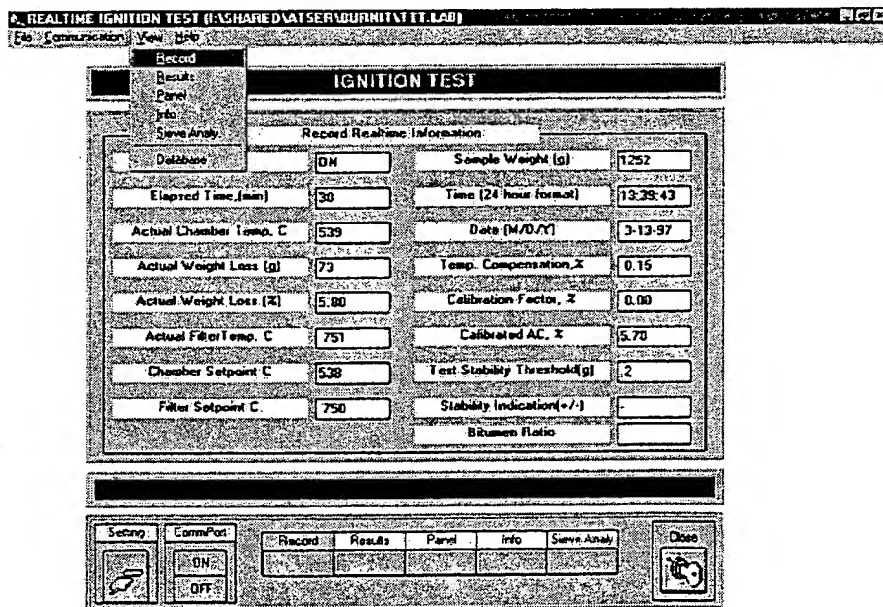


FIG. 4C

REALTIME IGNITION TEST (D:\OHVHUCK4.LAB)

File Communication View Help

Blow  
Down  
Save  
Save As  
Print

### IGNITION TEST

ON/OFF	1	2	3	4	5
OFF	OFF	OFF	OFF	OFF	OFF
Weight Loss (g)	0	0	0	0	0
Temperature (°C)	539	544	545	545	47
Filter Loss (g)	0.0	0.0	0.0	0.0	0
Actual Weight Loss (%)	0.00	0.00	0.00	0.00	0.1
Actual Filter Temperature (°C)	704	708	712	717	71
Chamber Setpoint (°C)	540	540	540	540	54
Filter Setpoint (°C)	750	750	750	750	77
Sample Weight (g)	1893	1899	1899	1899	18
Time (24 hour format)	16:43:01	16:44:00	16:45:00	16:46:00	16:47
Date (M/D/Y)	02-18-00	02-18-00	02-18-00	02-18-00	02-11
Temperature Compensation (%)	0.00	0.00	0.00	0.00	0.1
Calibrated Factor (%)	0.00	0.00	0.00	0.00	0.1
Calibrated Asphalt Content (%)	0.00	0.00	0.00	0.00	0.1
Test Stability Threshold (g)	.01	.01	.01	.01	0
Stability Indicator (e/-)	-	-	-	-	-

10:22:19 10:22:19

Setting CommPort

ON  
OFF

Records Results Panel Info Screen Analy

Done

FIG. 4D

[illegible]

FIG. 4E

REALTIME IGNITION TEST

File Communication View Help

Record  
Results  
Panel  
Info  
Sieve Analy.

Database

Sieve


Pan

Total

IGNITION TEST

OUTPUT

% Ret.	% Pass

INPUT

Tare Weight of Pan, g	
Initial Wt. of Aggregate Sample, g	
Sample Wt. after Washing/Drying, g	
Wash Loss, g	
(-#200) From Sieve Analysis, g	
Total (-#200) Material, g	

Balance Select Sieve Calculate

Set

Setting

CommPort

ON  
OFF

Record Results Panel Info Sieve Analy

Close

FIG. 4F